| • | Index of Claims |                        |          |          |          |          |              |           |          |          |                             |          |          | Application No.    |          |                 |        |          |              |                |           |              |              | Applicant(s) |              |           |           |           |          |                    |         |         |          |  |  |
|---|-----------------|------------------------|----------|----------|----------|----------|--------------|-----------|----------|----------|-----------------------------|----------|----------|--------------------|----------|-----------------|--------|----------|--------------|----------------|-----------|--------------|--------------|--------------|--------------|-----------|-----------|-----------|----------|--------------------|---------|---------|----------|--|--|
|   |                 |                        |          |          |          |          |              |           |          |          |                             |          |          | 10/086,217         |          |                 |        |          |              |                |           |              |              |              |              | Υ         | ET        | •         |          |                    |         |         |          |  |  |
|   |                 |                        |          |          |          |          |              |           |          |          |                             |          |          | Examiner           |          |                 |        |          |              |                |           |              |              | Art Unit     |              |           |           |           |          |                    |         |         |          |  |  |
|   |                 |                        |          |          |          |          |              |           |          |          |                             |          |          | Maher M. Haddad    |          |                 |        |          |              |                |           |              |              | 1644         |              |           |           |           |          |                    |         |         |          |  |  |
| - |                 |                        | _        | _        |          |          | 7            | l         | ſ        | _        |                             |          |          |                    | _        |                 |        |          |              |                |           |              | $\Box$       | _            |              | _         |           |           |          |                    |         |         |          |  |  |
|   |                 |                        | 1        | R        | Rejected |          |              |           |          | -        | (Through numer<br>Cancelled |          |          |                    |          | al)             |        | 1        | ٧            | Non-Elected    |           |              |              | A            | Appeal       |           |           |           |          |                    |         |         |          |  |  |
| • |                 |                        | =        | Allowed  |          |          |              |           | +        |          | Restricted                  |          |          |                    |          |                 |        |          | Interference |                |           | nce          | :е           | 0            | Objected     |           |           |           |          |                    |         |         |          |  |  |
|   |                 |                        | L        |          |          |          | لـــ         |           | Į        |          |                             |          |          |                    |          |                 |        | L        | L            |                |           |              | j            | Ш            | L            |           |           |           |          |                    |         |         |          |  |  |
|   | Cli             | aim                    |          | Date     |          |          |              | 3         | _        |          |                             | CI       | Claim    |                    |          | Da              |        | te       |              |                |           |              | CI           | aim          |              | (_        | Date      |           |          |                    | 7       |         |          |  |  |
|   | _               | ā                      | 8        |          |          |          |              |           |          | -        | 1                           |          | 쿌        | 2                  | 10/      | 5               |        |          | 1            |                |           |              | <del>-</del> | nal          | 8            | 1         |           |           |          |                    |         |         | ł        |  |  |
|   | Final           | Original               | 3/30/04  |          |          |          |              |           |          |          |                             | Final    | Original | 3/30/04            | 52/0     | 5/50/6          |        |          |              |                |           |              | Final        | Original     | 10/25/00     | 7/261     |           |           |          |                    |         |         |          |  |  |
|   |                 | 1                      | +        |          |          |          |              |           |          |          |                             |          | 51       | E                  |          | Ϊ               |        | İ        |              | 士              |           |              |              | 101          | V            | 7         |           |           |          |                    |         | 1       | ₫        |  |  |
|   |                 |                        | Ŀ        |          | Ц        |          |              |           | П        | 4        | 1                           |          | 52       | ╟                  | <u> </u> | Н               | 4      | ╀        | ╬            | +              |           |              |              | 102<br>103   | $\vdash$     |           | Н         | L         | Н        | 4                  | +       | +       | -{       |  |  |
|   | <u> </u>        | B A                    | $\vdash$ | H        | Н        | Н        | Н            | _         | $\dashv$ | +        | -                           |          | 53<br>54 | #                  | $\vdash$ | H               | +      | ╁        | +            | +              | -         |              | _            | 103          | $\vdash$     |           | $\vdash$  | $\vdash$  | $\vdash$ | -                  | +       | +       | ┨        |  |  |
|   |                 | 5                      |          | $\vdash$ | Н        |          |              | _         |          | $\top$   | ┪.                          |          | 55       | Ħ                  |          |                 |        | T        | $\perp$      |                |           |              |              | 105          |              |           |           |           |          |                    |         |         | 1        |  |  |
|   |                 | 6                      |          |          |          |          |              |           |          | $\bot$   | ]                           |          | 56       | 11                 |          |                 |        | L        |              | L              |           | 17.1<br>17.1 |              | 106          |              | _         |           |           |          | $\overline{\perp}$ | _       | $\perp$ |          |  |  |
|   | <u> </u>        | 7<br>  8               | -        | Н        | Н        | Н        | Н            | -         | $\dashv$ | +        | 7                           | -        | 57<br>58 | :                  | $\vdash$ | $\vdash$        | ╬      | ╀        | ╁            | ╁              | $\vdash$  | 3            |              | 107<br>108   | $\vdash$     |           | Н         | -         | Н        | -                  | ╁       | ┿       | $\dashv$ |  |  |
|   | ├               | 9                      | $\vdash$ | Н        |          |          | H            | $\exists$ | $\dashv$ | $\top$   | 1:                          | 1        | 59       | 1                  |          |                 |        | t        | 1            | 1              |           |              |              | 109          |              |           |           |           |          |                    | 士       | 士       | 1        |  |  |
|   |                 | 0                      |          |          |          |          |              |           |          | $\Box$   | ]                           |          | 60       | O                  |          | $\Box$          | $\Box$ | Į        | T            | $\blacksquare$ |           | 200          |              | 110          | $\Box$       |           |           |           |          | $\Box$             | 7       | $\perp$ | 7        |  |  |
|   | <u> </u>        | 11<br>12               | $\vdash$ | Н        | _        |          |              | $\dashv$  | $\dashv$ | +        | 4                           | -        | 61<br>62 | ;                  | _        | ├─┼             | +      | ŀ        | +            | 7 -            | Н         | , i          |              | 111<br>112   |              |           | $\dashv$  |           | Н        | +                  | +       | +       | -        |  |  |
|   | <del> </del>    | 13                     | -        |          |          | $\dashv$ | H            |           | H        | -        | ┨.                          |          | 63       | 1                  |          | H               | +      | t        | 十            | +              | Н         |              |              | 113          | H            | _         | $\dashv$  |           | H        | 7                  | 十       | +       | -        |  |  |
|   |                 | 14                     |          |          |          |          |              |           |          |          | ];;                         |          | 64       | 3                  |          |                 |        | Γ        | I            |                |           | 7            |              | 114          |              |           |           |           |          |                    | $\perp$ |         | ]        |  |  |
|   | L.              | 5                      | L        | Ш        | Ц        | 4        | Ц            | $\dashv$  | $\dashv$ | - -      | 47                          |          | 65<br>66 | Н                  | _        | $\vdash$        | -      | ╀        | +            | -              | Н         |              |              | 115<br>116   | $\dashv$     | -         | $\vdash$  |           | $\dashv$ | -                  | +       | +       | 4        |  |  |
|   | <u> </u>        | 16<br>7                | $\vdash$ | Н        | -        | ᅱ        | Н            | $\dashv$  | $\dashv$ | $\dashv$ | -                           | -        | 67       | H                  |          | $\vdash$        | +      | H        | +            | ╁              | Н         |              |              | 117          | $\dashv$     | $\dashv$  | -         |           | -        | -+                 | +       | ╅       | ┨        |  |  |
|   |                 | В                      |          |          |          |          |              |           |          |          | ]:                          |          | 68       | E                  |          |                 |        | L        |              |                |           |              |              | 118          |              |           |           |           |          | $\sqsupset$        |         | 工       | 1        |  |  |
|   |                 | 9                      | Ц        | Ц        |          | 4        | Н            | 4         | $\dashv$ |          | -                           | <u> </u> | 69       | 1                  |          | $\vdash \vdash$ |        | ╀        | +            | -              | Н         |              |              | 119<br>120   |              | -         |           |           | $\dashv$ | -                  | +       | -       | -        |  |  |
|   | _               | 20<br>21               | Н        | Н        | $\dashv$ | ᅱ        | -            | $\dashv$  | +        | +        | -                           | $\vdash$ | 70<br>71 | <b> </b> :         |          | -               | +      | ╁        | ╁            | +-             | Н         |              | _            | 121          | $\vdash$     |           | -         | -         | $\dashv$ | ┥                  | +       | ╌       | -        |  |  |
|   |                 | 22                     |          |          |          |          |              |           |          | 土        | ]                           |          | 72       | ·                  |          |                 | 1      |          | İ            |                |           | 3            |              | 122          |              |           |           |           |          |                    |         |         | 1        |  |  |
|   |                 | 23                     |          |          | $\Box$   | $\Box$   |              |           | _        | 4        | 1                           |          | 73       | ·                  |          | $\dashv$        | _      | L        | 1            |                |           | :==          |              | 123          |              | 4         | 4         | _         | $\sqcup$ | 4                  | +       | +       | -        |  |  |
|   |                 | <b>2</b> 4             | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$  | +        | +        | -  -                        |          | 74<br>75 | ÷                  |          | $\dashv$        | +      | ├        | ╁            | +              | Н         |              |              | 124<br>125   | -            | -         | $\dashv$  |           |          | +                  | +       | +-      | -        |  |  |
|   |                 | 26                     |          |          |          |          |              |           |          |          | j.                          |          | 76       | $\overline{\cdot}$ |          |                 |        | İ        |              | $\Box$         |           |              |              | 126          |              |           |           |           |          | 1                  | 士       |         | 1        |  |  |
|   |                 | <b>1</b> 7             |          | $\Box$   |          |          |              |           | 1        | 1        | ]:::                        |          | 77       | Ŀ                  |          |                 |        | L        | _            | $\sqcup$       | Ц         | . [          |              | 127          |              | _         | _         | $\dashv$  | _        | _                  | 1       | _       | ₹        |  |  |
| - |                 | <b>28</b><br><b>29</b> | $\vdash$ | -        | $\dashv$ | -        | -            | -         | +        | +        | ╣                           | _        | 78<br>79 | ;                  | $\dashv$ | $\dashv$        | - -    | ┝        | ╁            | ╁┤             | Н         | 1            |              | 128<br>129   | -            |           | -         | $\dashv$  | $\dashv$ | +                  | +       | ┿       | ┨        |  |  |
|   |                 | 30                     | $\vdash$ | 7        | -        | 7        | $\dashv$     | 7         | 7        | +        | 1:                          | -        | 80       | 1                  | $\dashv$ | $\dashv$        | 1      | r        | 十            | $\Box$         | Н         |              |              | 130          | $\neg$       |           | 1         | -         | 7        | 7                  | $\top$  | o       | 1        |  |  |
|   |                 | 31                     |          | $\Box$   |          | $\Box$   | $\Box$       |           | $\Box$   | $\Box$   | ]                           |          | 81       | •                  |          |                 | I      |          | T            |                |           |              |              | 131          |              | $\perp$   | $\exists$ |           | $\Box$   | $\Box$             | 1       | $\perp$ | ]        |  |  |
|   |                 | 24 33                  | -        | -        | -        | -        | -            | $\dashv$  | +        | +        | -∤                          | <u> </u> | 82<br>83 | •                  |          |                 | +      | -        | ╀            | ╁┤             | $\dashv$  |              |              | 132<br>133   | $\dashv$     | 4         | +         | -         | +        | +                  | +       | ╫       | -        |  |  |
|   |                 | 3#                     | $\neg$   | $\dashv$ | $\dashv$ | 7        | +            | -         | +        | +        | 1                           |          | 84       |                    | ┪        | +               | +      | H        | $^{+}$       | Н              | $\exists$ | .:           |              | 134          | 十            | 7         | ┪         | ┪         | $\dashv$ | 7                  | +       | +       | 1        |  |  |
|   |                 | 35                     |          |          |          | $\Box$   |              | $\Box$    | $\Box$   | I        | ]                           |          | 85       | •                  |          |                 |        |          | I            |                |           | .[           |              | 135          | $\Box$       | $\exists$ | $\Box$    | $\Box$    | $\Box$   |                    | $\perp$ | I       | ]        |  |  |
|   |                 | 36<br>37               |          | $\dashv$ | +        | 4        | +            | -         | +        | +        | 4                           |          | 86<br>87 | $\dashv$           | 깆        | $\rightarrow$   | +      | H        | +            | ╀┦             | Н         | 4            |              | 136<br>137   | $\dashv$     | $\dashv$  | +         | $\dashv$  | +        | -                  | +       | ╁       | ┨        |  |  |
|   | $\dashv$        | 38                     | ᅱ        | ᆉ        | $\dashv$ | -        | +            | ┪         |          | ~ -      | ╣                           | -        | 88       | $\vdash$           | Ž        | 4               | +      | -        | +            | +              | $\dashv$  | ·            |              | 138          | +            | ᆉ         | +         | ┪         | ┪        | +                  | +       | +-      | ۲.       |  |  |
| l |                 | 30                     |          |          |          |          | I            |           | $\perp$  |          | 1                           |          | 89       |                    | 1        | 4               |        |          |              |                |           |              |              | 139          | $\Box$       | $\Box$    | $\Box$    |           | $\Box$   | 1                  |         | I       |          |  |  |
|   |                 | 40<br>41               |          | 4        | 4        | +        | 4            | -         | $\perp$  |          | - ∵                         |          | 90       |                    | 짓        | 4               | +      | L        | 1            | $\sqcup$       | 4         | 1            |              | 140          | $\dashv$     | 4         | -         | 4         | $\dashv$ | 4                  | +       | +       | ┨        |  |  |
| ŀ | -               | 12                     | $\dashv$ | +        | +        | +        | 十            | +         | +        | +        | ┨.                          | $\vdash$ | 91<br>92 | +                  | 4        | 1               | +      | ┝        | ╁            | ╁╌┨            | $\dashv$  | 1            |              | 142          | 十            | +         | +         | $\dashv$  | $\dashv$ | +                  | +       | +       | 1        |  |  |
| Ì |                 | 42<br>43               | ⇉        | 1        | $\Box$   |          | $\Box$       | ゴ         | 工        | 1        | 1                           |          | 93       | コ                  | И        | 1               |        | E        | I            | 口              | $\exists$ |              |              | 143          | $\Box$       | 1         | $\Box$    |           | 1        | 工                  | 1       | I       | 1        |  |  |
|   | [               | 44<br>45               | 4        | 4        | 4        | 4        | $\downarrow$ | 4         | 4        | +        | -                           |          | 94<br>95 | _                  | 4        | 1               | +      | L        | +            | ⊦┧             | 4         | -            |              | 144          | 4            | +         | -         | $\dashv$  | -        | +                  | +       | +       | 4        |  |  |
| } |                 | 看                      | -+       | +        | $\dashv$ | +        | +            | $\dashv$  | +        | +        | 1                           |          | 96       |                    |          | <u>/</u>        | +      | $\vdash$ | +            | ╁┤             | ᅱ         | ۱,           | $\dashv$     | 146          | +            | +         | +         | $\dashv$  | +        | ╁                  | +       | +       | 1        |  |  |
| į |                 | 45<br>47               | $\Box$   | $\Box$   |          | I        | $\Box$       | 1         |          | 1        | ]                           |          | 97       | コ                  | 7        | 7               |        |          | L            |                |           |              | $\Box$       | 147          | ightharpoons | 1         | 1         | $\exists$ | $\Box$   | 1                  | I       | I       | ]        |  |  |
|   |                 | 48<br>49               | +        | +        | 4        | +        | - -          | 4         | +        | +        | 1                           |          | 98<br>98 | -                  | -,-      | 7               | +      |          | $\vdash$     | $\vdash$       | $\dashv$  | . }          |              | 148          | +            | +         | +         | 4         | +        | +                  | +       | +       | 1        |  |  |
| ŀ |                 | 50                     | $\dashv$ | $\dashv$ | +        | +        | +            | ╅         | +        | +        | 1                           | $\vdash$ | 100      |                    | 1        | 1               | +      | -        | ╁            | H              | ┥.        | }            |              | 150          | +            | +         | +         | 十         | +        | +                  | +       | +       | 1        |  |  |
| L |                 |                        | _        |          | _        | _        |              | _         |          |          |                             |          |          |                    |          |                 |        | _        | _            |                |           |              |              |              |              |           |           |           |          | _                  |         | _       | _        |  |  |

Application No.

Applicant(s)